BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 15, Dasarahalli

NAME OF WORK : **Improvements & re-asphalting road from 5th & 6th Cross KempeGowda nagara Ramachandra Hospital Road Bhuvaneshwarinagara in Dasarahalli W.No-15.**

Estimated Cost 30.00 Lakhs

Sl.No.	Description of work	Measurments No.s	L	B	D	Qty	Unit	Rate	Amount
1	Removing B.S slab of drain and stacking (PWD SR 2016-17, Page No.25, Item No. 5.32)								
	Ramachandra Hospital road	1	2	240.00	0.90	432.00			
	5th cross	1	2	110.00	0.90	198.00			
	Eagle bakery deadend road	1	2	135.00	0.90	243.00			
	Narasimha's house road	1	2	110.00	0.90	198.00			
	4th cross	1	2	105.00	0.90	189.00			
	Saw mill road	1	2	390.00	0.90	702.00			
						1962.00			
	deduct :9% missings					176.58			
					Total qty.	**1785.42**	**sqm**	65.72	**117338.00**
2	Earthwork excavation by manual means in Ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work..(PWD SR 2016-17, Page No.142, Item No. 19.1) including Conveying the excavated earth silt, debris and over burden earth etc., to lead of 0 to 5 kms distance by using private vehicle this includes the cost of loading and unloading charges etc., complete as per the direction of Engineer-in-charge of the work								
	Desilting								
	Ramachandra Hospital road	1	2	240.00	0.50	0.50	120.00		
	5th cross	1	2	110.00	0.50	0.50	55.00		
	Eagle bakery deadend road	1	2	135.00	0.50	0.50	67.50		
	Narasimha's house road	1	2	110.00	0.50	0.60	66.00		
	4th cross	1	2	105.00	0.50	0.60	63.00		
	Saw mill road	1	2	390.00	0.50	0.60	234.00		
	BWSSB cutting						0.00		
	Ramachandra Hospital road	1	1	240.00	1.00	0.30	72.00		
	Eagle bakery deadend road	1	1	135.00	1.00	0.30	40.50		
	Narasimha's house road	1	1	110.00	1.00	0.30	33.00		
					Total qty.	**751.00**	**cum**	170.92	**128361.00**
3	Refixing stone slabs of drains and pointing in CM 1:3 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. (PWD SR 2016-17, Page No.25, Item No. 5.33)								

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	Qty vide item No.1						1785.42			
4						Total qty.	1785.42	sqm	80.56	143833.00
	Supplying and fixing precast reinforced concrete slab 10 cm thick of mix M20 using 20mm and downsize graded granite metal using reinforcement 10mm dia steel at 150mmc/c bothways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials - Data rate approved by Chief Engineer, Dasarahalli zone									
	missing slabs	Qty vide item No.1					176.58			
5						Total qty.	176.58	sqm	1600.00	282528.00
	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications.Page No 149/ Item No. 19.64 PWD SR 2016-17									
	BWSSB cutting									
	Ramachandra Hospital road	1	1	240.00	1.00		240.00			
	Eagle bakery deadend road	1	1	135.00	1.00		135.00			
	Narasimha's house road	1	1	110.00	1.00		110.00			
						Total qty.	485.00	sqm	5.30	2571.00
6	KSRRB M400-1 For Grading I material construction of granular sub-base by providing coarse graded crushed stone aggregates of Granite/ trap/basalt material spreading in uniform layers with motir grader on prepared surface mixing by a mix in place method with rotawater at OMC, and Compacting with vibratory roller to achieve the desired density, complete as per specifications.by mix in a Place method for course Graded Granular Sub Base Material as per 400-2 for grading I material . Page No 155/ Item No. 20.6.1 PWD SR 2016-17									
	BWSSB cutting									
	Ramachandra Hospital road	1	1	240.00	1.00	0.15	36.00			
	Eagle bakery deadend road	1	1	135.00	1.00	0.15	20.25			
	Narasimha's house road	1	1	110.00	1.00	0.15	16.50			
						Total qty.	72.75	cum	1518.98	110506.00
7	Providing, laying, spreading and compacting stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. Complete as per specifications. MORTH Specification No.406 [P.No.158- It.No20.18]									
	Ramachandra Hospital road	1	1	240.00	1.00	0.15	36.00			
	Eagle bakery deadend road	1	1	135.00	1.00	0.15	20.25			
	Narasimha's house road	1	1	110.00	1.00	0.15	16.50			
						Total qty.	72.75	cum	1768.08	128628.00
8	Providing and applying primer coat with S.S bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of .60kg /sqm using mechanial means complete as per Specifications. (Pg.no.160, It.no.21.6)									
	Ramachandra Hospital road	1	1	240.00	1.00		240.00			

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	Eagle bakery deadend road	1	1	135.00	1.00		135.00			
	Narasimha's house road	1	1	110.00	1.00		110.00			
						Total qty.	485.00	sqm	27.56	13367.00
9	KSRRB 500-7. Providing and applying tack coat on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.(Pg No.160 It. No.21.7)									
	Ramachandra	1	1	240.00	1.00		240.00			
	Eagle bakery deadend	1	1	135.00	1.00		135.00			
	Narasimha's house road	1	1	110.00	1.00		110.00			
	Ramachandra Hospital road	1	1	240.00	5.00		1200.00			
	5th cross	1	1	110.00	6.30		693.00			
	Eagle bakery deadend road	1	1	135.00	5.40		729.00			
	Narasimha's house	1	1	110.00	5.25		577.50			
	4th cross	1	1	105.00	5.25		551.25			
	Saw mill road	1	1	390.00	5.50		2145.00			
						Total qty.	6380.75	sqm	11.66	74400.00
10	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50/75mm compacted thickness with 3.3% bitumen but excluding the cost of primer/tack coat with lead incl. cost of all materials, labour, HOM of machineries complete as per specifications with 80/100 grade bitumen using 40/60TPH capacity H.M.P with Mechanical paver Gr II (50/75mm) with 3.3% VG-30 Bitumen as per the directions of Engineer-in-charge of the work (PWDSR 2016-17, P.No.162, I No.21.11.6)									
	Ramachandra Hospital road	1	1	240.00	1.00	0.05	12.00			
	Eagle bakery deadend road	1	1	135.00	1.00	0.05	6.75			
	Narasimha's house	1	1	110.00	1.00	0.05	5.50			
						Total qty.	24.25	cum	5237.46	127008.00
11	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. (Pg.no.161, It.no.21.2)									
	Ramachandra Hospital road	1	1	240.00	5.00		1200.00			
	5th cross	1	1	110.00	6.30		693.00			
	Eagle bakery deadend road	1	1	135.00	5.40		729.00			
	Narasimha's house	1	1	110.00	5.25		577.50			
	4th cross	1	1	105.00	5.25		551.25			
	Saw mill road	1	1	390.00	5.50		2145.00			
						Total qty.	5895.75	sqm	3.18	18748.00

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12	KSRRB M500-19. Providing and laying bituminous concrete with hot mix plant using crushed aggregates of specified grading, pre mixed with bituminous binder and filler, transporting the hot mix to work site laying with paver finisher to the required grade, level and alignment . Rolling with smooth wheeled Vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause no 500.9 complete in all respects complete as per specifications. MORTH specification No509, using 100/120 TPH capacity H.M.P.with Mechanical paver Gr -II (30mm to 45mm) with 6% VG-Bitumen (P-165, It. 21.22.2.)									
	Ramachandra	1	1	240.00	5.00	0.04	48.00			
	5th cross	1	1	110.00	6.30	0.04	27.72			
	Eagle bakery deadend	1	1	135.00	5.40	0.04	29.16			
	Narasimha's house	1	1	110.00	5.25	0.04	23.10			
	4th cross	1	1	105.00	5.25	0.04	22.05			
	Saw mill road	1	1	390.00	5.50	0.04	85.80			
						Total qty.	235.83	cum	770.54	181722.00
13	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. P.W.D SR 2016-17 [P.No.185-I.No.24.15]									
	5th cross	1	2	110.00	0.15		33.00			
	Eagle bakery deadend	1	2	135.00	0.15		40.50			
	Saw mill road	1	2	390.00	0.15		117.00			
						Total qty.	190.50	sqm	542.72	103388.00
									Sub Total	285287.00
									Qc Charges 1%+Miscelleneous and rounding off	14713.00
									Total	300000.00

(Rupees Thirty Lakhs Only)

CERTIFICATE

1. *Certified that The work spot has been inspected by me and the work is necessary & site condition*
2. *Certified that the work is not split*
3. *Certified that the estimate is based on PW.P&IWTD Bangalore Circle SR of 2016-17*
4. *Certified that Adequate & necessary provisions have made in the estimate.*
5. *Certified that the above area comes under BBMP limit*
6. *This Work is not included in any other work taken up*

– Asst Engineer
Ward-15

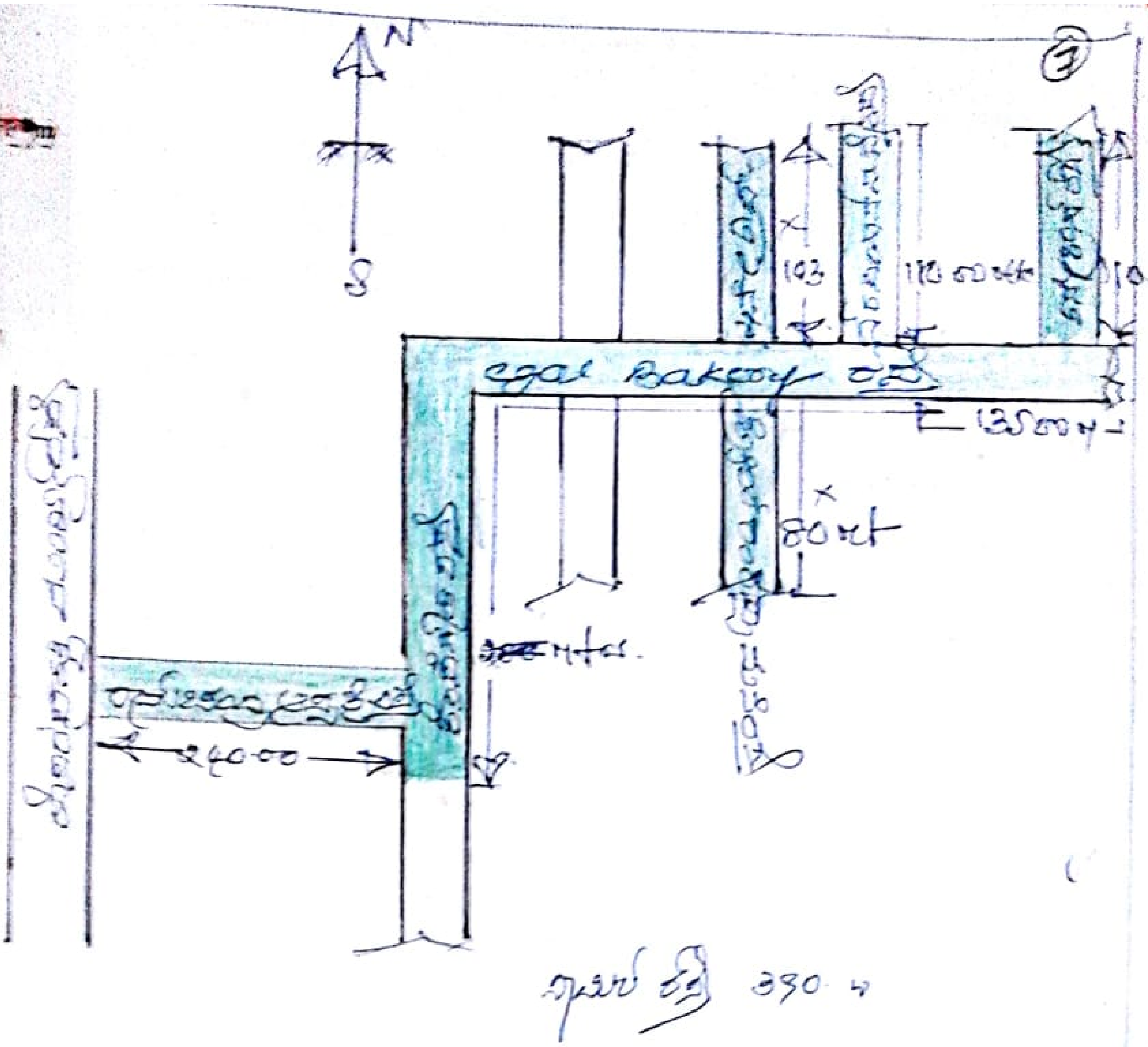
Assistant Executive Engineer
Dasarahalli Sub Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P

ಸಂ. JC/D/AS/PR/113/16-17 ದಿನಾಂಕ : 25/4/17
ರೂ. Thirty lakhs Only

ಸಂ. CE/TS/PR/2-13 ದಿನಾಂಕ : 19.04.2017
ರೂ. Rupees Thirty Lakhs

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Name of work: Improvements & Re-Asphalting road from 5th & 6th Cross Road Kempe Gowda Nagara & Ramachandra Hospital Road Bhuvaneshwari Nagara in Dasarahalli W.No 3